

Mutations in

Figure 1A

RAD53:

R70A

H88A

E117A

ScFkh1	76-VTIGRNTD-[15]-IDMDLGPAC	ISRKHAIR-[08]-ETQIF	GRNCAKVNERRIP-[07]-TVIAQSCIDNG-162
ScFkh2	83-VSIGRNTD-[18]-VNDLGPAC	VS RKHAIR-[08]-EPIIT	GRNCAKVNERRIP-[07]-IRISSCTLDNG-172
Ylr183c	118-ITVGRSSQ	CDVALCKNK	PRFSNEKVKIODE-GGFNFTEEGDVAAT-222
ScRad53 (FHA1)	66-WTEGRNPA	CDYHGNIS	RUSNKHFOIL-[06]-LNDI
SpCds1	60-WGEGRHS	CEVWANG	PRVSNHEEIV-[13]-FPHDI
MtuEmbr	308-TRIGRLHD	NDIVLDSAN	VS RHAVIV-[06]-VINDIR
MtuCY04C12.31	228-VTIGRAND	NDIVHPEVL	ASRHAVIV-[06]-EIRNR
ydr200c	185-LKIGRPVT-[17]-QVRPDNGNEDSRVSRNHAFIS	[08]-YURDIK	SSNGTVNGAKVD
Ylr283w	99-LKIGRPVA [22] QVRSDNGNEDSRVSRNHAFIS	[08]-YURDIK	SSNGTVNGAKVD
yhr115c	189-ILIGRYTE-[09]-PDQYHPVVKSKVSRTHCEFK-[07]-ETQDK	[08]-YURDIK	SSNGTVNGAKVD
ynl116w	295-LVIGRYTE-[09]-PEQYHPVVKSKVSRTHCEFK-[07]-YKDK	[08]-YURDIK	SSNGTVNGAKVD
SpDmal	60-YVIGRYTE-RYN-GGDVSAIVERSKVSRHAQIF-[06]-YKDK	[08]-YURDIK	SSNGTVNGAKVD
MtuCY10H4.20C	455-NILGRQD	AQFRLPDTG	SSNGTVNGAKVD
AnaCYAD	24-FVIGRLPE	CNLYLPFAG	SSNGTVNGAKVD
ScFhl1	300-ALIGRSENDFSHKVDVNLGP	VS RHAVIV-[06]-VINDIR	SSNGTVNGAKVD
MtuCY1A11.16C	77-TSAGRHPD	SDIFLDDVT	SSNGTVNGAKVD
MtuCY10H4.19C	83-VLIGRADD	STVFLTDY	SSNGTVNGAKVD
ScDun1	56-TTIGRSRS	CDVILSE	SSNGTVNGAKVD
ydr501w	102-LAIGRKKS	V--CNHIPP	SSNGTVNGAKVD
AnaFrah	204-VHIGKPNR-RIP	PDVDVSGFANSEIVSRHADIR-[06]-YEDV	SSNGTVNGAKVD
SynCYAA	29-WVIGRSQD	NDIVRDN	SSNGTVNGAKVD
HsNibrin	24-YVIGRKN	CALLEN	SSNGTVNGAKVD
DmChk2	52-FTAGRGEANDLIL-TLNDPEKI-LTRVSRVFIHK	[10]-YKDK	SSNGTVNGAKVD
HsChk2	113-YWFGKSKCEYCF-DEPLAKRTDKYRTYSKFRIF	[11]-YEDH	SSNGTVNGAKVD
MmMNF	107-VTIGRNS-QGS-VDSVGL	SSFSRMLQIS-[06]-YKDK	SSNGTVNGAKVD
SynMCRB	61-YFVIGRSSS	CDVILSE	SSNGTVNGAKVD
ScMek1	47-VKVRGNDK-E	CDVILSE	SSNGTVNGAKVD
AtKAPP	208-VKVRGNDK-E	CDVILSE	SSNGTVNGAKVD
HsKi-67	27-CLFGRGIE	CDVILSE	SSNGTVNGAKVD
CeZK632.2	108-VVIGRKP-G	CDVILSE	SSNGTVNGAKVD
ygl081w	22-KTIGRSSSFDQNS-LCKPYNLYFDEPEPSKHAVIC	[19]-CIRDLNKT	SSNGTVNGAKVD
ScRad53 (FHA2)	601-FFIGRSED	CNCKIED	SSNGTVNGAKVD
ydr016c	104-YLIGRELG-[15]-ADIGPEET	SSKCHCVIQ-[10]-YKDK	SSNGTVNGAKVD

BOX A

BOX B

BOX C

BOX D

2 / 8

Figure 1B

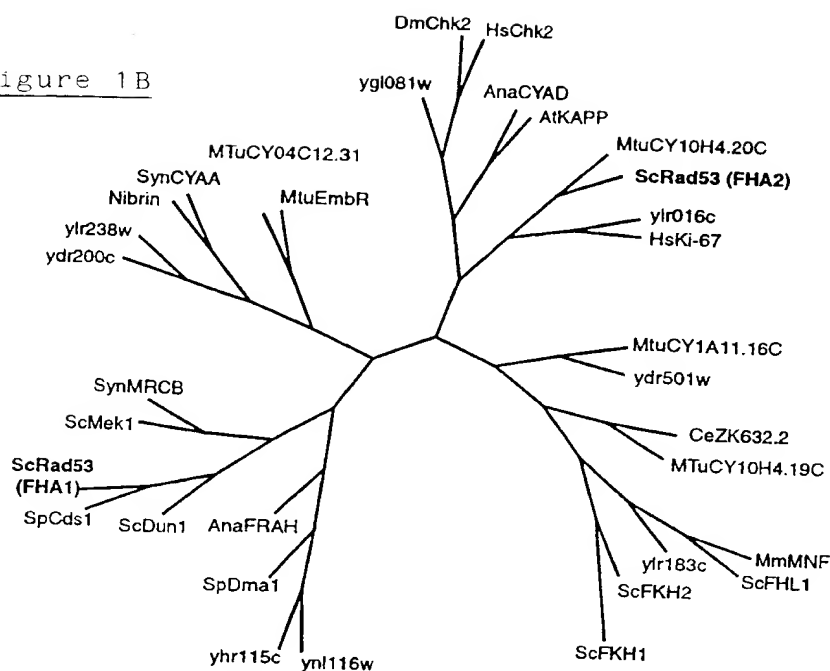


Figure 1C

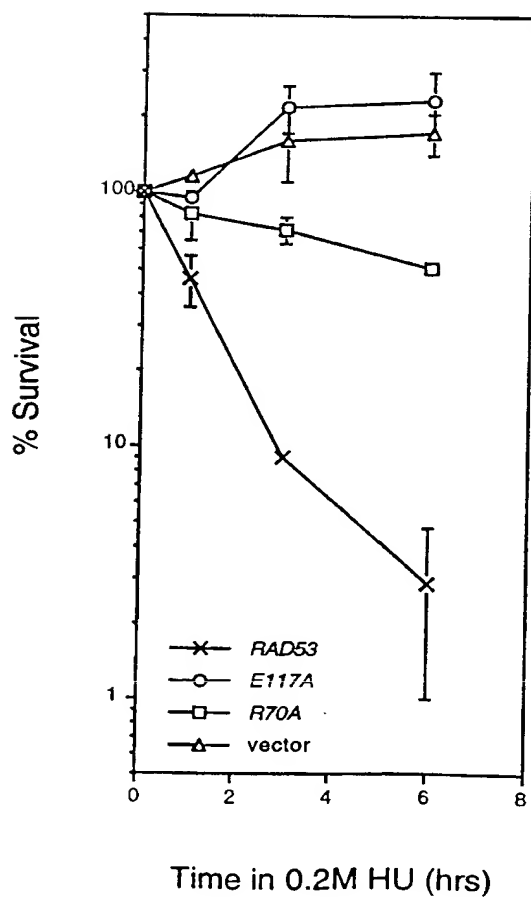


Figure 1D

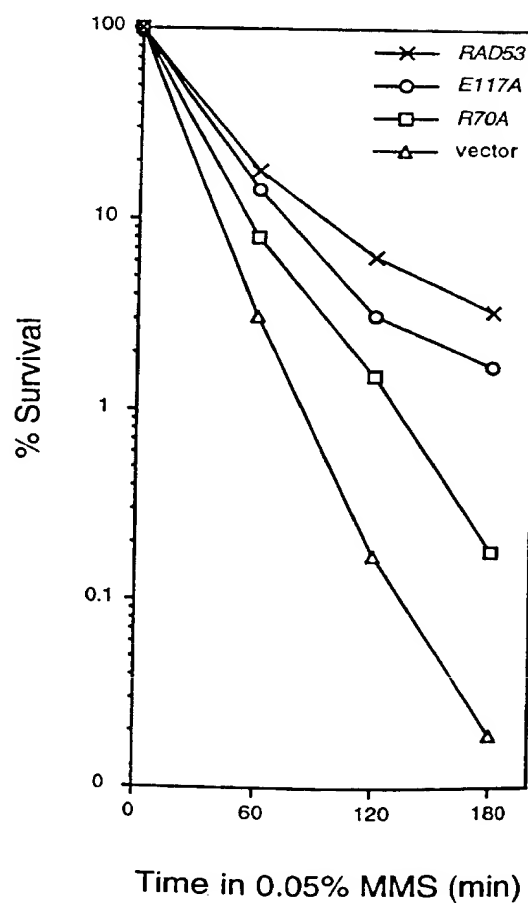


Figure 2

APPLSQETFSDLWKL	ST
APPLS(P)QETFSDLWKL	S(P)T
APPLSQET(P)FSDLWKL	ST(P)
APPLAQET(P)FSDLWKL	ST(P)-3A
APPLSAET(P)FSDLWKL	ST(P)-2A
APPLSQAT(P)FSDLWKL	ST(P)-1A
APPLSQET(P)ASDLWKL	ST(P)+1A
APPLSQET(P)FADLWKL	ST(P)+2A
APPLSQET(P)FSALWKL	ST(P)+3A
ALAAAT(P)AADAAL	ST(P)5A
ALAAADAADAAL	SD5A
APPLSQES(P)FSDLWKL	SS(P)
GGKKATQSQEY	H2AS
GGKKATQS(P)QEY	H2AS(P)

4/8

Figure 3A

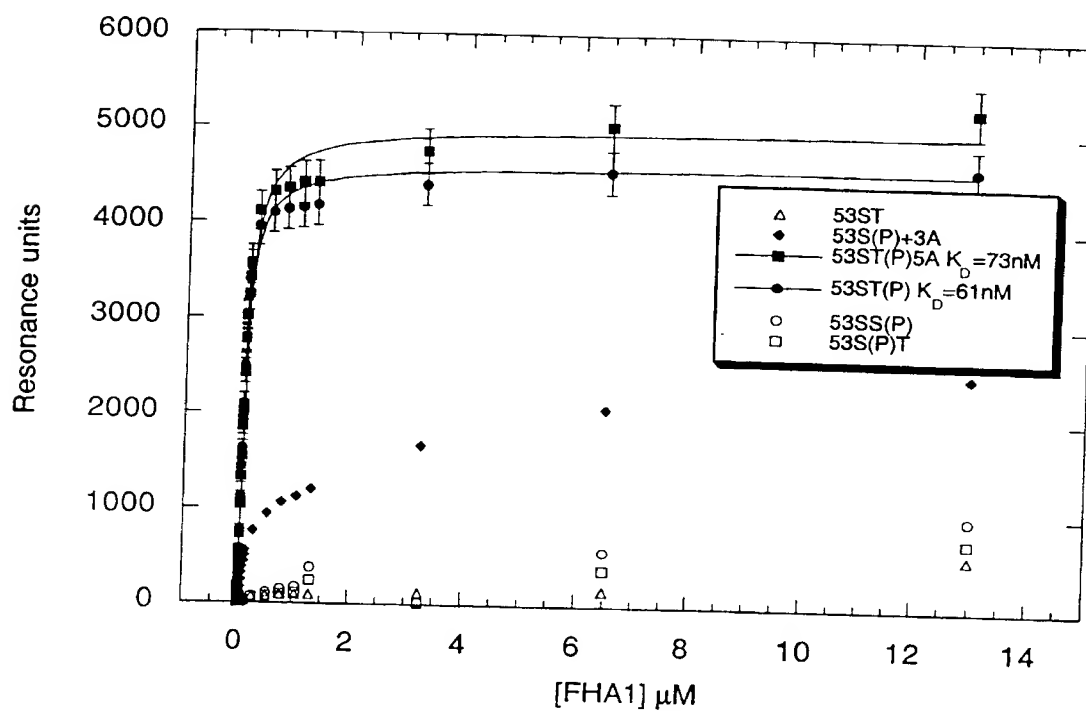


Figure 3B

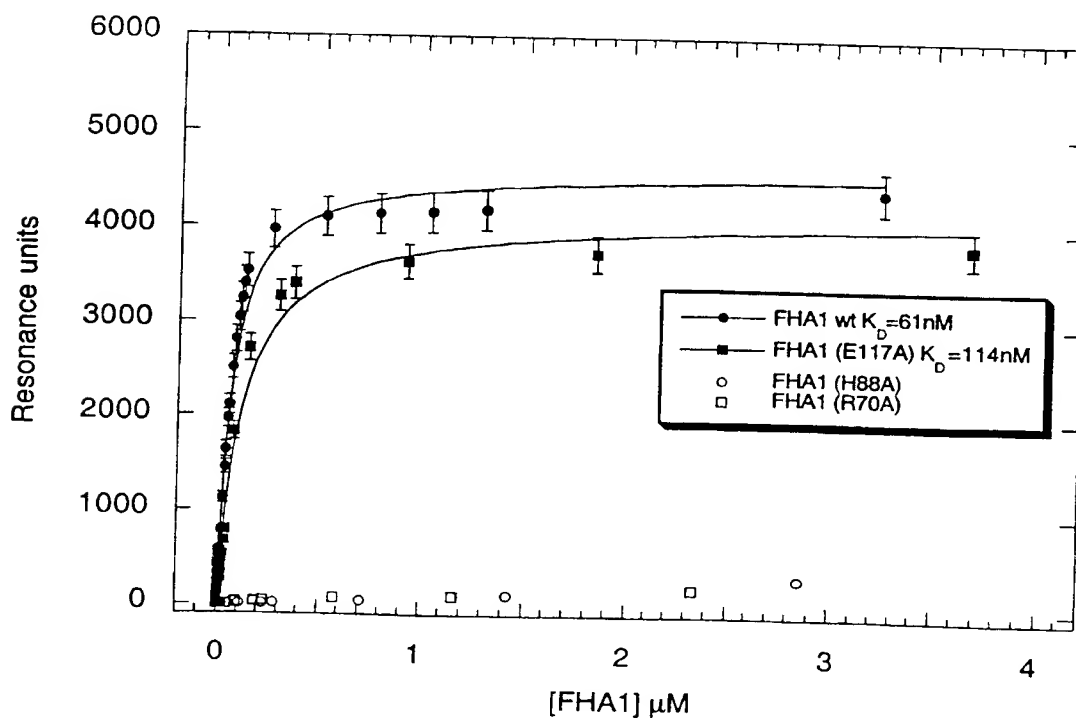
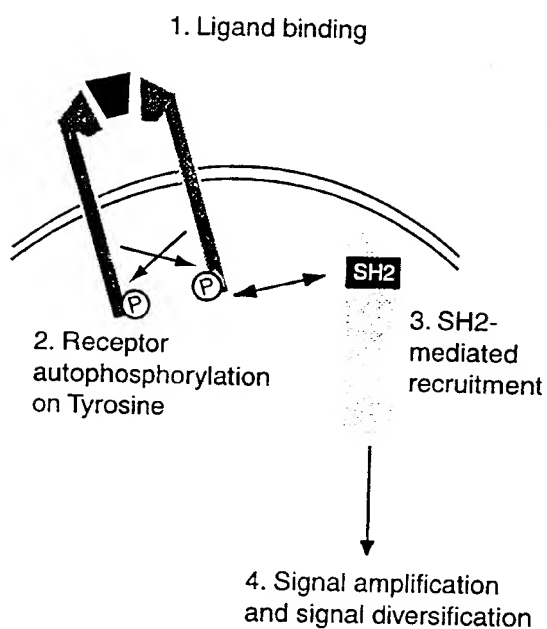


Figure 4

Growth factor signalling



DNA damage signalling

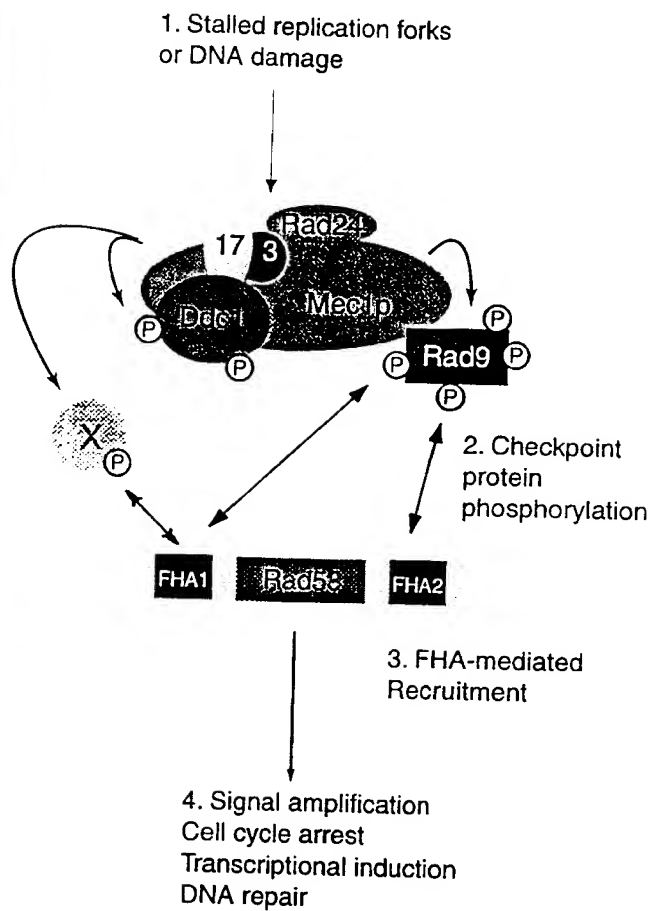


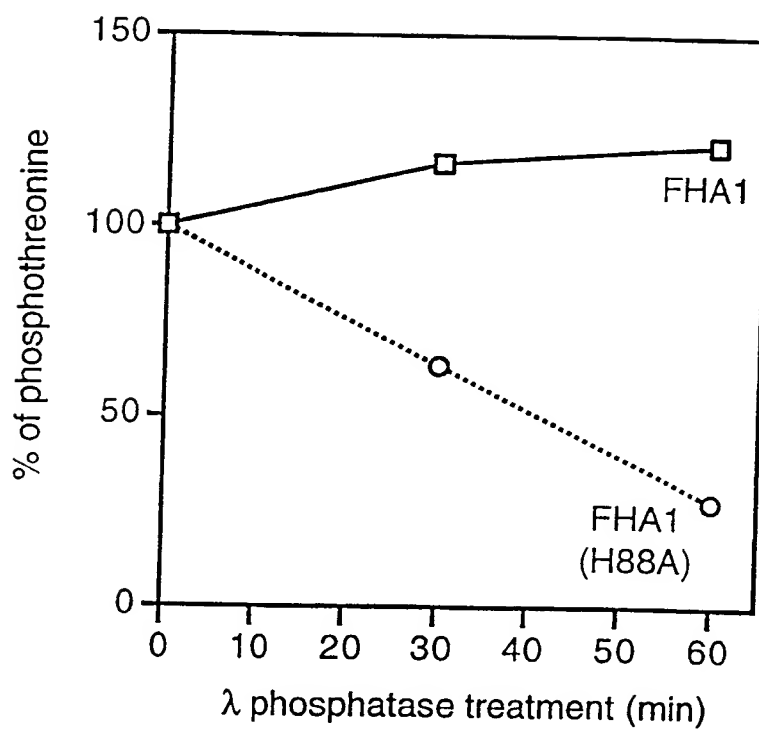
Figure 5

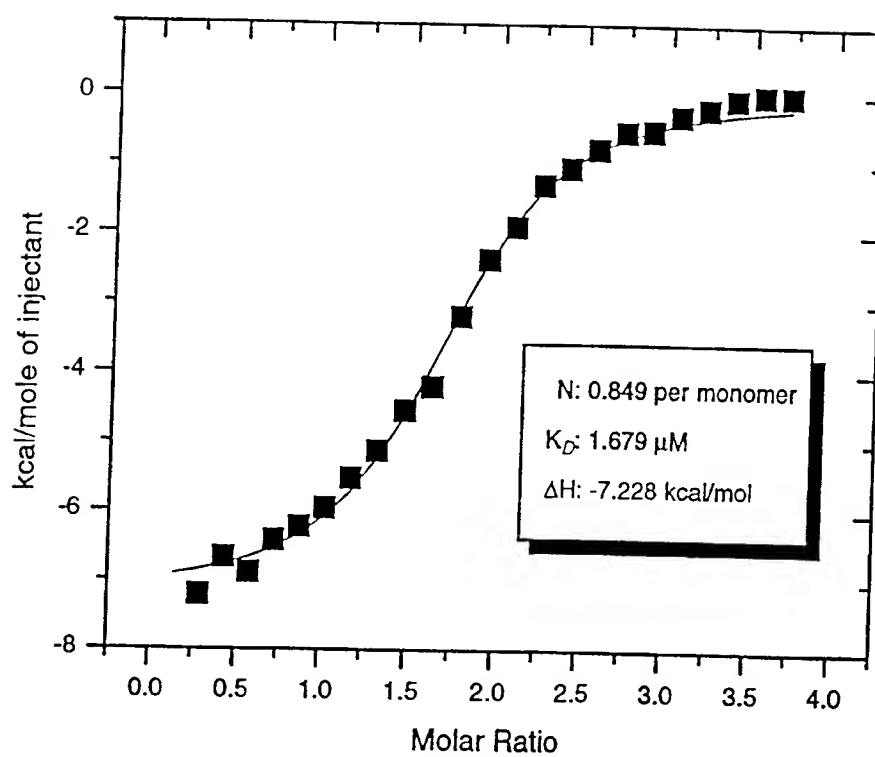
Figure 6

Figure 7

A T : Biotin-SGSYSQETXXXLL
T(P): Biotin-SGSYSQET(P)XXXLL

